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CASE DB 17/Div1

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November 1, 2004
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

WITTEKIND et al

PATENT NO: 6,800,456 B2

ISSUED: Oct. 5, 2004

FOR: MODIFIED FORMS OF HEPATITIS C NS3
PROTEASE FOR FACILITATING INHIBITOR SCREENING AND STRUCTURAL
STUDIES OF PROTEASE: INHIBITOR COMPLEXES

Certificate
NOV 05 2004
of Correction

Assistant Commissioner for Patents
Washington, D.C. 20231

Attention: Decision and Certificate of Correction
Branch of Patent Issue Division

Request for Certificate of Correction of Patent for PTO Mistake (37 C.F.R. §1.322(a))

Sir:

Attached in duplicate, is Form PTO -1050 for use in correcting errors in U.S. Patent No. 6,800,456 B2 not due to Applicants' mistake.

Please forward the Certificate to the address associated with Customer No. 23914.

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Respectfully submitted,

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Sher

(12) **United States Patent**
Wittekind et al.

(10) **Patent No.:** **US 6,800,456 B2**
(45) Date of Patent: **Oct. 5, 2004**

(54) **MODIFIED FORMS OF HEPATITIS C NS3
 PROTEASE FOR FACILITATING INHIBITOR
 SCREENING AND STRUCTURAL STUDIES
 OF PROTEASE:INHIBITOR COMPLEXES**

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(*) **Notice:** Subject to any disclaimer, the term of this
 patent is extended or adjusted under 35
 U.S.C. 154(b) by 327 days.

(21) **Appl. No.:** **09/965,594**

(22) **Filed:** **Sep. 27, 2001**

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(62) Division of application No. 09/478,479, filed on Jan. 6,
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(51) **Int. Cl.⁷** **C12P 21/06; C07H 21/04**

(52) **U.S. Cl.** **435/69.1; 435/320.1; 435/325;
 536/23.2; 536/23.4**

(58) **Field of Search** **435/69.1, 320.1,
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(57) **ABSTRACT**

The present invention relates to modified Hepatitis C NS3
 proteases and modified Hepatitis C NS4a-NS3 fusion pro-
 teases. These proteins are highly soluble and are useful for
 NMR spectroscopy, X-ray crystallography, and inhibitor
 screening. DNA constructs are also provided.

15 Claims, 18 Drawing Sheets

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 6,800,456 B2
DATED: : October 5, 2004
INVENTOR(S) : WITTEKIND ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Cover Sheet

Section (75) Inventors: Michael Wittekind, Doylestown, PA (US); Steven Weinheimer, Northford, CT (US); Yagun Zhang, Holland, PA (US); Valentina Goldfarb, Franklin Park, NJ (US)

Section (74) *Attorney, Agent, or Firm* – Andrew F. Sher

should read

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